

Converting Colors

XYZ(25.0593, 21.1486, 70.4628)

Have a look what the booklet for
XYZ(25.0593, 21.1486, 70.4628)
contains.

XYZ(25.1086, 21.2445, 70.4874)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.1086, 21.2445,
70.4874)**

Conversions

Conversions Part 1

Format	Color
Hex	6777DC
RGB	103, 119, 220
RGB Percent	40%, 47%, 86%
CMY	0.5961, 0.5333, 0.1373
CMYK	0.53, 0.46, 0.00, 0.14
HSL	232°, 63%, 63%
HSV	232°, 53%, 86%
XYZ	25.1086, 21.2445, 70.4874
YIQ	125.7300, -41.9570, 28.0190

Conversions

Conversions Part 2

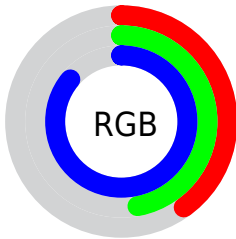
Format	Color
R _Y B	103, 117, 220
Decimal	6780892
CIE Lab	53.22, 22.48, -53.68
CIE LCh	53, 58.192, 292.722
Yxy	21.2445, 0.2149, 0.1818
Android (android.graphics.Color)	4284970972 (0xFF6777DC)
YUV	125.7300, 46.4751, -19.9342
Hunter-Lab	46.0918, 16.5777, -58.4070

Details

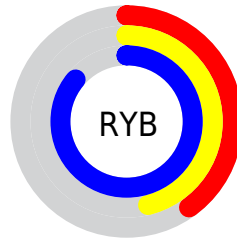
The XYZ color **25.1086, 21.2445, 70.4874** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **53.5579, 59.3832, 21.4727**, and the grayscale version is **19.5981, 20.6187, 22.4537**.

A 20% lighter version of the original color is **47.3109, 43.9229, 100.5922**, and **9.7908, 7.6181, 36.0764** is the 20% darker color. If you saturate the color by 10%, you get **20.8702, 16.0330, 69.7053**, and if you desaturate by 10%, it is **30.4642, 27.7028, 71.4522**.

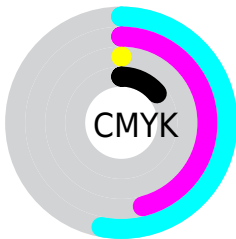
Distribution



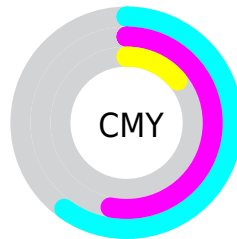
- Red (40%)
- Green (47%)
- Blue (86%)



- Red (40%)
- Yellow (46%)
- Blue (86%)



- Cyan (53%)
- Magenta (46%)
- Yellow (0%)
- Black (14%)



- Cyan (60%)
- Magenta (53%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1086, 21.2445, 70.4874 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 25.1086, 21.2445, 70.4874 by changing the saturation by 10% instead.

■ 25.1086, 21.2445,
70.4874

■ 25.1086, 21.2445,
70.4874

270.7160,
258.5750, 481.0948

■ 16.2871, 13.3028,
51.4447

■ 51.2750, 45.4941,
121.5912

■ 9.8197, 7.6374,
36.1835

■ 69.3506, 62.5708,
154.4894

■ 5.3409, 3.8638,
24.2851

■ 91.2417, 83.4614,
192.8432

■ 2.4855, 1.5977,
15.3311

■ 117.3135,
108.5501, 237.0711

■ 0.8879, 0.3560,
8.9029

147.9315,
138.2214, 287.5916

■ 0.0000, 0.0000,
4.5819

183.4611,

■ 0.0000, 0.0000,

172.8598, 344.8234

1.9497

224.2674,
212.8495, 409.1850

■ 0.0000, 0.0000,
0.5241

■ 0.0000, 0.0000,
0.0000

■ 25.1086, 21.2445,
70.4874

■ 25.1086, 21.2445,
70.4874

■ 20.8702, 16.0330,
69.7053

■ 30.4642, 27.7028,
71.4522

■ 17.6660, 11.9847,
69.0928

■ 37.0065, 35.4800,
72.6085

■ 15.4055, 9.0087,
68.6375

■ 44.8028, 44.6450,
73.9666

■ 13.9805, 6.9991,
68.3247

■ 53.9141, 55.2612,
75.5355

■ 13.3846, 6.0999,
68.1826

■ 64.3976, 67.3884,
77.3238

■ 76.3073, 81.0825,
79.3393

■ 88.9520, 96.0146,
81.5550

■ 89.9184, 97.9473,
81.8771

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.7321, 21.2445, 75.5510



25.1086, 21.2445, 70.4874



31.1286, 21.2445, 50.2762

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



25.1086, 21.2445, 70.4874



28.2274, 21.2445, 5.3021



10.5934, 21.2445, 19.1043

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



25.1086, 21.2445, 70.4874



53.5579, 59.3832, 21.4727

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



12.1743, 21.2445, 8.0935



25.1086, 21.2445, 70.4874



21.7264, 21.2445, 3.1837

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



25.1086, 21.2445, 70.4874



33.1691, 21.2445, 12.3684



15.9636, 21.2445, 3.8532



11.1370, 21.2445, 38.8186

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25.1086, 21.2445, 70.4874



33.7063, 21.2445, 34.7078



15.9636, 21.2445, 3.8532



10.8808, 21.2445, 14.4667

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



25.1095, 21.2452, 70.4879



71.3750, 72.6163, 104.8622



41.9017, 58.3563, 65.2132



14.7033, 14.8747, 22.3461



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.1095, 21.2452, 70.4879



28.4737, 21.5452, 97.2656



29.2627, 20.7941, 70.1820



12.4815, 12.9028, 16.4848



7.9022, 3.6739, 40.0310



0.5593, 0.3327, 2.6092

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



37.6961, 26.2493, 20.5330



48.0935, 30.0972, 19.2279



46.6444, 61.7561, 22.2951



13.1282, 13.0804, 13.9362



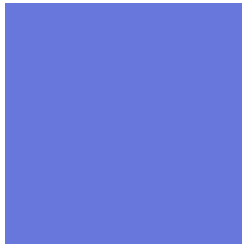
17.4840, 8.9946, 1.6629



1.1566, 0.5923, 0.2336

Previews

White Background



This preview shows how the XYZ color 25.1086, 21.2445, 70.4874 looks on a white background.

Color Contrast Check

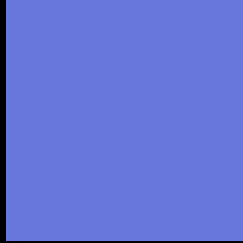
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 25.1086, 21.2445, 70.4874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

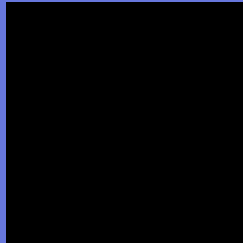
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.1086, 21.2445, 70.4874

Background



This preview shows how black text looks on a background with the XYZ color 25.1086, 21.2445, 70.4874.



This preview shows how white text looks on a background with the XYZ color 25.1086, 21.2445,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

25.1086, 21.2445, 70.4874

Protanopia

23.8458, 21.2532, 73.3665

Deuteranopia

22.0614, 21.3702, 69.2918



Tritanopia

17.2125, 21.3346, 30.8146

Trichromacy



Original Color

25.1086, 21.2445, 70.4874

Protanomaly

24.3033, 21.3215, 72.6466

Deuteranomaly

22.9438, 21.2376, 69.9078

Tritanomaly

19.5531, 21.0475, 43.0764

Monochromacy



Original Color

25.1086, 21.2445, 70.4874

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.8993, 20.5555, 36.1238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1086, 21.2445, 70.4874 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(103, 119, 220)` looks like.

```
.text, #text, p{  
    color:rgb(103, 119, 220)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(103, 119, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 119, 220) }
```

Border

The CSS property to change the border of an element to XYZ 25.1086, 21.2445, 70.4874 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 119, 220) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(103, 119, 220) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(103, 119, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 119, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 119, 220); box-shadow:4px 4px 4px 4px rgb(103, 119, 220) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1086, 21.2445, 70.4874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 119, 220) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(103,  
119, 220) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor